

ABSTRACT OF THE DISCLOSURE

A brush type DC motor 10 having an armature 15 and positive and negative power leads is provided. The motor includes an RFI choke 12 as a transformer in series with at least one of the positive and negative power leads to amplify current such that rotation of the armature 15 can be detected based on monitoring a voltage relating to the amplified current. Conditioning circuitry 14 is constructed and arranged to condition the voltage for detecting rotation of the armature.